

# 燃料電池

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巻頭言 燃料電池のこれからに期待する

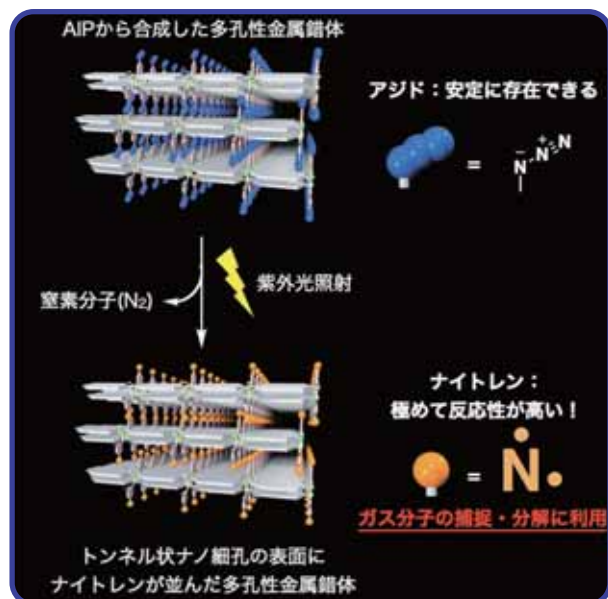
**特集** 家庭用PEFCシステムのロバスト化・耐久性向上・低コスト化関連技術

解説 自立型燃料電池の現状と今後の方向性



光によって有毒ガスなどの気体を自在に捕捉・分解する材料の開発  
 ((独) 科学技術振興機構)

Photoactivation of A Nanoporous Crystal for On-demand Guest Trapping and Conversion  
 (Japan Science and Technology Agency)



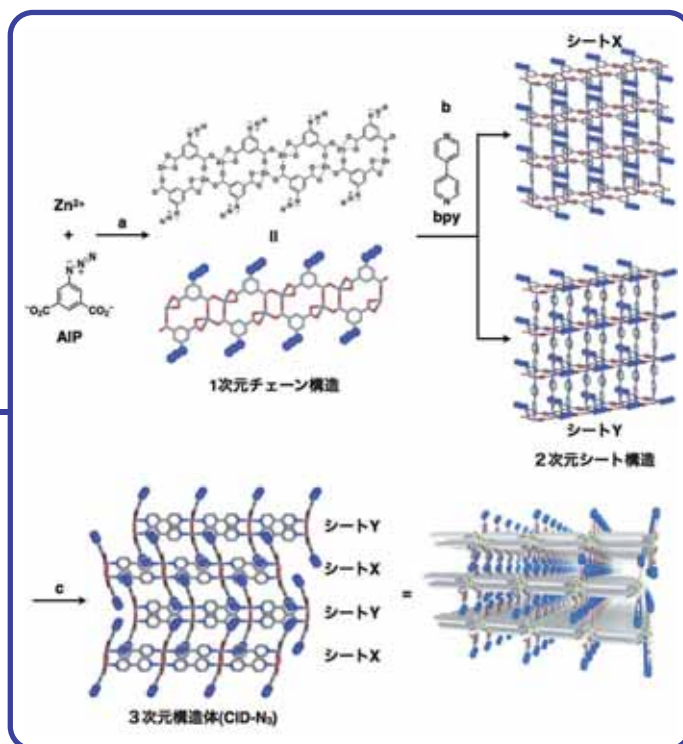
アジド基を有するナノ細孔表面の光活性化

Photoactivation of a porous coordination polymer having azide (N<sub>3</sub>) functionalities

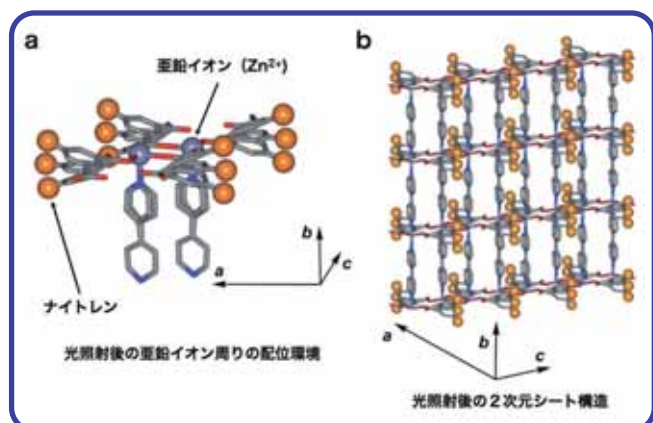
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亜鉛イオン、アジドイソフタル酸、  
 ビピリジンから形成される  
 多孔性金属錯体(CID-N<sub>3</sub>)

Schematic illustration of the formation of CID-N<sub>3</sub> from Zn<sup>2+</sup>, 5-azidoisophthalic acid(AIP) and 4,4'-bipyridine(bpy)



P101 参照



光照射後の多孔性金属錯体の結晶構造

Crystal structures of the photoactivated CID-N<sub>3</sub>

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# The Journal of Fuel Cell Technology

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